



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

1001 I Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov



Gray Davis
Governor

August 16, 2002

#02-15

Mr. Mike Gallo
Manager, Regulatory Engineering
Dresser Wayne, Dresser Inc.
Corridor Park 1
3814 Jarrett Way
Austin, Texas 78728

Dear Mr. Gallo:

Thank you for your recent letter requesting California Air Resources Board (CARB) approval of a newly designed "Ovation" series multi-product fuel dispenser equipped with "balance style" vapor return piping. The Ovation series chassis is based upon the currently certified "Vista Series" chassis with exception to the modified upper outlet casting section. Figure 1 provides an illustration of the Ovation. In addition to your letter, you provided three agency approval letters, engineering drawings, and test data.

For vapor return piping located within a balance system dispenser, the July 25, 2001, Certification Procedure for Vapor Recovery Systems (CP-201) allows a maximum dynamic pressure drop of 0.08 inches of water column at 60 cubic feet per hour (CFH). Although this standard does not become effective until April 1, 2003, a balance style Ovation series chassis was provided by Wayne and subjected to pressure drop testing to evaluate its compliance with this future standard. The average back pressure at 60 CFH was measured at less than 0.08 inches of water column, which is the allowable limit. The compatibility of the dispenser with numerous nozzles was also evaluated by comparing the leak rate of the nozzle when inserted and when removed from the dispenser. In addition, CARB staff has reviewed engineering drawings and test data submitted by Wayne.

Based on testing conducted by CARB and information provided by Wayne, we find the use of the Ovation Series fuel dispenser, when installed in accordance with the manufacturer's recommended instructions, will not adversely affect the vapor recovery systems on which they are installed. Therefore, the piping configuration of the Wayne Ovation Series fuel dispenser is approved for use with the currently certified (pre-EVR) balance vapor recovery systems.

In addition to the pressure drop standard, the July 25, 2001 CP-201 requires all dispensers to comply with the "uni-hose MPD configuration". This standard limits the number of gasoline hoses/nozzles to one per dispenser side. Although this standard does not become effective until April 1, 2003, this letter grants approval only to those

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

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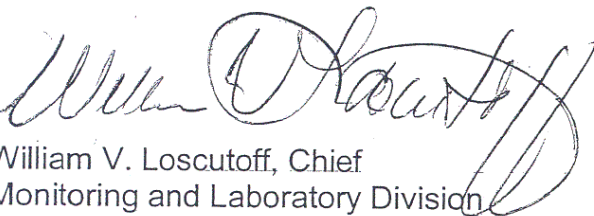
Ovation series dispenser configurations equipped with one gasoline hose per dispenser side. Dispensers equipped with one diesel hose/nozzle and one gasoline hose/nozzle per side, such as the Ovation "Three Plus One" option are also approved.

As required by California State Law (H&SC Section 41955), the approval of three State agencies are a precondition to certification by CARB. The appropriate letters of approval have been received and are listed as follows:

1. Department of Food and Agriculture
Division of Measurement Standards
May 9, 2002
2. Department of Industrial Relations
Division of Occupational Safety and Health
August 5, 2002
3. Department of Forestry and Fire Protection
Office of the State Fire Marshal
June 10, 2002

If you have questions or need further information, please contact Lou Dinkler at (916) 445-9335 or via email at ldinkler@arb.ca.gov or Laura McKinney at (916) 327-0900 or via email at lmckinne@arb.ca.gov.

Sincerely,



William V. Loscutt, Chief
Monitoring and Laboratory Division

cc: Mr. Ben Shaw
South Coast Air Quality Management District

Mr. Dan Reiswig
Department of Food and Agriculture

Mr. Larry McCune
Department of Industrial Relations

Mr. Mike Waldron
Department of Forestry and Fire Protection

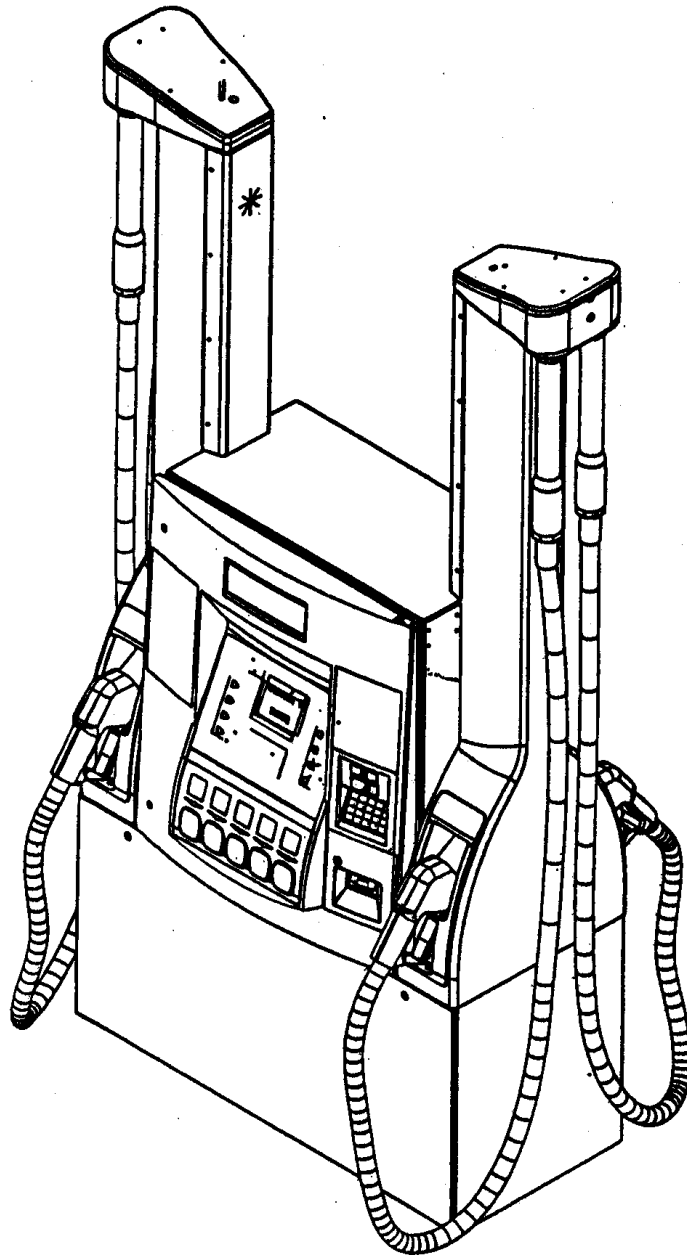


Figure 1: Wayne Ovation Series Dispenser
Configured with One Diesel and One Gasoline
Nozzle Per Side. Configurations w/Two Gasoline
Nozzles Per Side Are Not CARB Approved